CTL 630-32 HD23

LUFFING JIB TOWER CRANE



Specifications:

- Max jib length: 196.9 ft
- Capacity at max length: 19,842 lbs
- Max capacity: 70,548 lbs

WORKS FOR YOU.™

KEY

Zeichenerklärung · Légende · Leyenda · Legenda

	Hoisting · Heben · Levage · Elevación · Sollevamento
	Slewing · Schwenken ·Orientation · Orientació · Rotazione
	Luffing · Ausleger-Einziehen · Relevage · Elevación de pluma · Brandeggio
	Travelling · Schienenfahren · Translation · Traslación · Traslazione
	Directive on noise level · Richtlinie für den Schall-Leistungspegel · Directive sur le niveau acoustique · Directiva sobre el nivel acustico · Direttiva sul livello acustico
	Consult us · Auf Anfrage · Nous consulter · Consultarnos · Consultateci
	Power requirements · Geforderte Stromstärke · Puissance totale nécessaire · Potencia necesaria · Potenza totale richiesta
	Power supply · Stromversorgung · Alimentation · Alimentación · Alimentazione
●	In service · In Betrieb · En service · En servicio · In servizio
	Out of service · Außer Betrieb · Hors service · Fuera de servicio · Fuori servizio
H	Max. under hook height · Höchste Hakenhöhe · Hauteur maxi. sous crochet · Maxima altura bajo gancho · Altezza max. sotto gancio
	Jib · Ausleger · Flèche · Pluma · Braccio
	Without load, without ballast, max. jib and max. height · Ohne Last und Ballast, mit Maximalausleger und Maximalhöhe · A vide, sans lest, avec flèche et hauteur maximum · Sin carga, sin lastre, con pluma y altura máxima · A vuoto, senza zavorra, braccio max., altezza max.
	Counterweight · Gegengewicht · Lest de contre-flèche · Lastre de contra flecha · Zavorra controbraccio
C25	FEM 1004 Out of service wind condition · FEM 1004 Windverhältnisse im Außerbetriebszustand · FEM 1004 Conditions de vent hors service · FEM 1004 Condiciones de viento fuera de servicio · FEM 1004 Condizioni del vento in fuori servizio

CE FEM SYSTEM CERTIFICATION ISO 9001:2000 SGS

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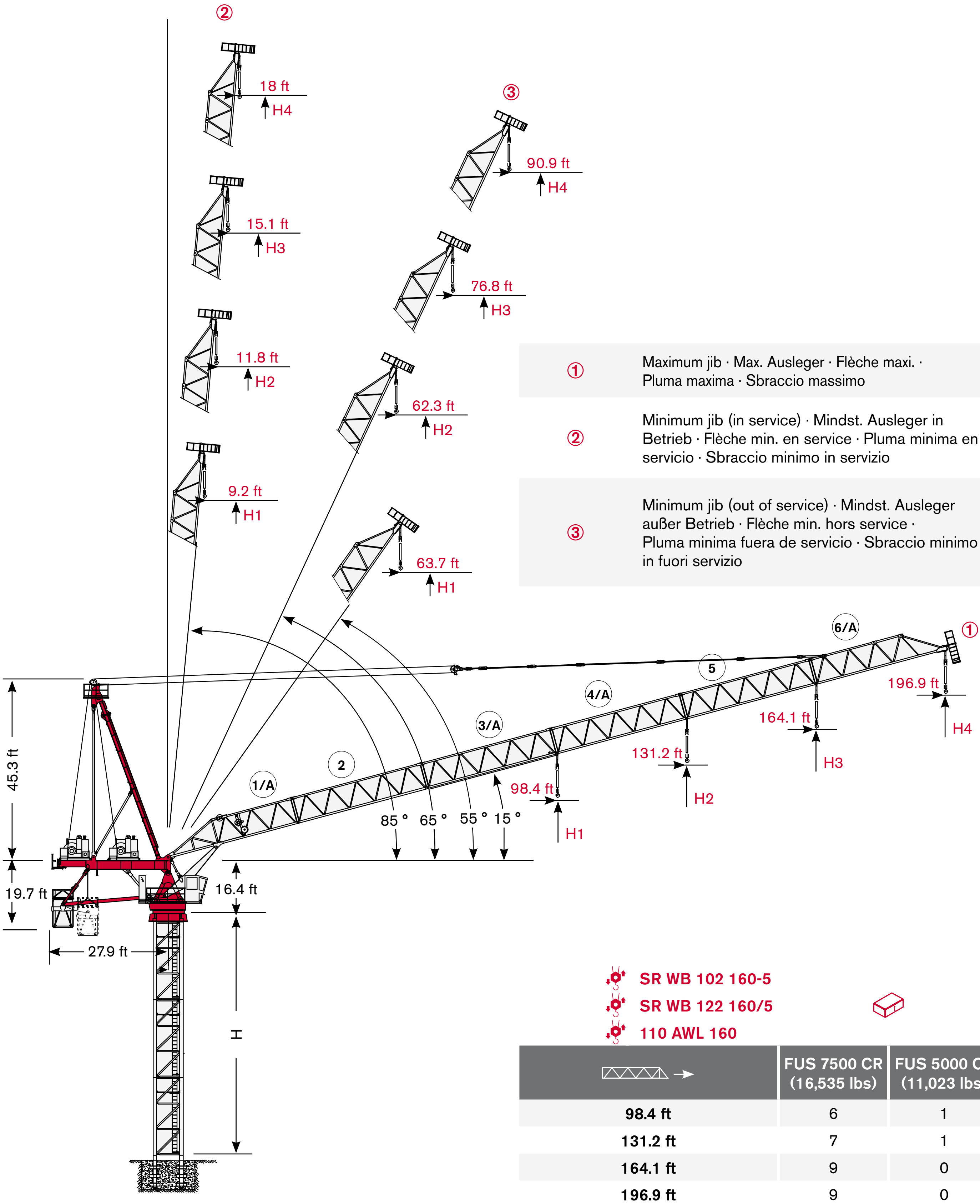
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LOAD DIAGRAM

Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata



①	Maximum jib · Max. Ausleger · Flèche maxi. · Pluma maxima · Sbraccio massimo
②	Minimum jib (in service) · Mindst. Ausleger in Betrieb · Flèche min. en service · Pluma minima en servicio · Sbraccio minimo in servizio
③	Minimum jib (out of service) · Mindst. Ausleger außer Betrieb · Flèche min. hors service · Pluma minima fuera de servicio · Sbraccio minimo in fuori servizio

SR WB 102 160-5
SR WB 122 160/5
110 AWL 160

→	FUS 7500 CR (16,535 lbs)	FUS 5000 CR (11,023 lbs)
98.4 ft	6	1
131.2 ft	7	1
164.1 ft	9	0
196.9 ft	9	0

TEREX®

Load Diagram · Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata

				65.6 ft	72.2 ft	82 ft	88.6 ft	98.4 ft	114.8 ft	131.2 ft	147.6 ft	164.1 ft	180.5 ft	196.9 ft
	35,274 lbs→	114.8 ft	lbs	35,274	35,274	35,274	35,274	35,274	35,274	30,644	27,051	24,163	21,804	19,842
	35,274 lbs→	137.5 ft	lbs	35,274	35,274	35,274	35,274	35,274	35,274	35,274	32,673	29,101		
	70,548 lbs→	71.5 ft	lbs	70,548	70,063	61,289	56,527	50,552	42,902	37,148	32,673	29,101		
	35,274 lbs→	131.2 ft	lbs	35,274	35,274	35,274	35,274	35,274	35,274	35,274				
	70,548 lbs→	74.2 ft	lbs	70,548	70,548	63,581	58,643	52,470	44,533	38,581				
	35,274 lbs→	98.4 ft	lbs	35,274	35,274	35,274	35,274	35,274						
	70,548 lbs→	74.8 ft	lbs	70,548	70,548	64,110	59,128	52,911						

Jib and Tower Height Configurations · Ausleger- und Turmkonfigurationen · Configurations de la flèche et du mât · Configuraciones de pluma y torre · Configurazioni torre e braccio

→	
98.4 ft	1/A + 2 + 6/A
131.2 ft	1/A + 2 + 3/A + 6/A
164.1 ft	1/A + 2 + 3/A + 4/A + 6/A
196.9 ft	1/A + 2 + 3/A + 4/A + 5 + 6/A

	H		
	①	②	③
H1	H + 30.2 ft	H + 106 ft	H + 87.6 ft
H2	H + 39 ft	H + 139.8 ft	H + 127.6 ft
H3	H + 47.6 ft	H + 173.6 ft	H + 158.1 ft
H4	H + 56.4 ft	H + 207 ft	H + 188.7 ft

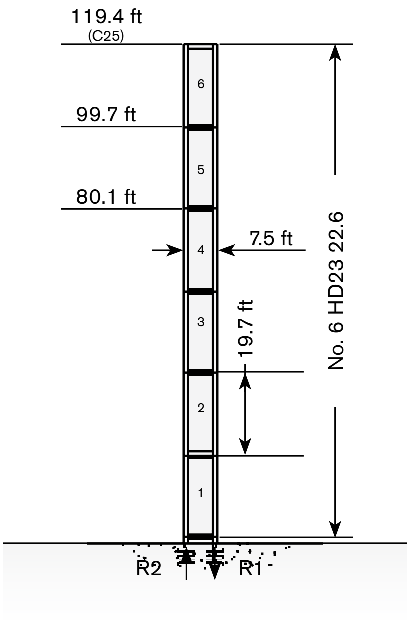
TOWER

Turm · Tour · Torre · Torre

Standard Configurations · Standardkonfiguration · Standard Implantations · Implantaciones Standard · Installazioni Standard

Tower: HD23 & Basement: R1

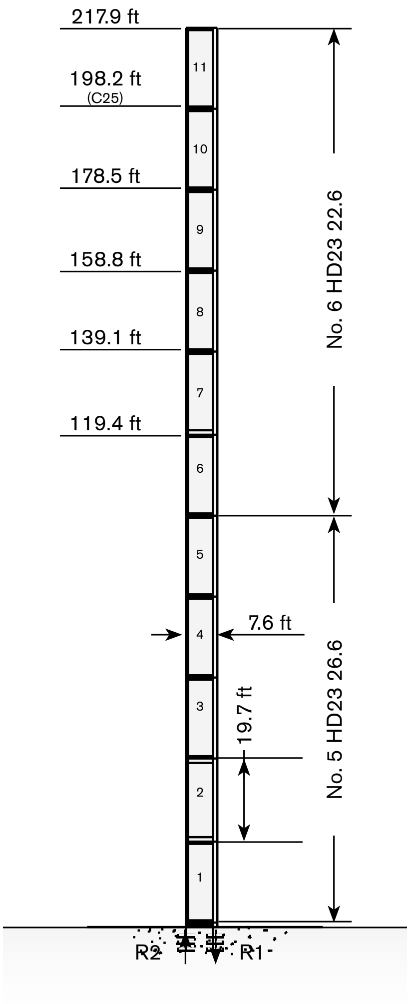
R1	-3600 kN	-3200 kN
R2	2560 kN	2350 kN
	1140 kN	



→	max. H (ft)	
	FEM 1004 C25	FEM 1001
98.4 ft	119.4	119.4
131.2 ft	119.4	119.4
164.1 ft	99.7	99.7
196.9 ft	99.7	99.7

Tower: HD23 & Basement: R2

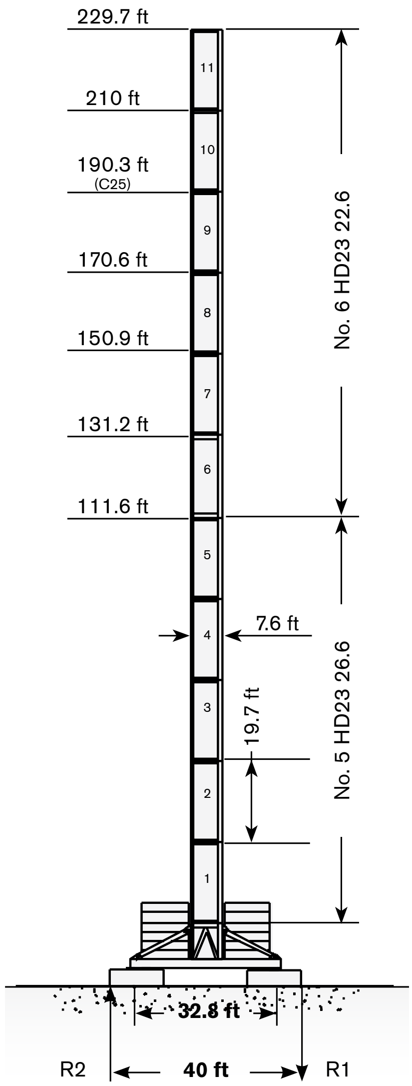
R1	-4750 kN	-6400 kN
R2	3550 kN	5400 kN
	1452 kN	



→	max. H (ft)	
	FEM 1004 C25	FEM 1001
98.4 ft	198.2	198.2
131.2 ft	178.5	178.5
164.1 ft	158.8	178.5
196.9 ft	158.8	158.8

Tower: HD23 & Basement: FP2

R1	-2000 kN	-2300 kN
R2	0 kN	218 kN
	1766 kN	

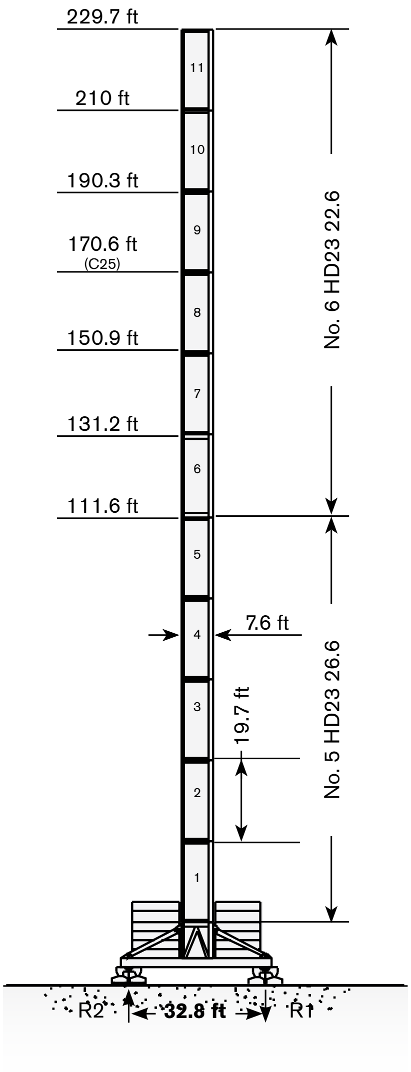


→	max. H (ft)	
	FEM 1004 C25	FEM 1001
98.4 ft	190.3	190.3
131.2 ft	170.6	170.6
164.1 ft	170.6	170.6
196.9 ft	150.9	150.9

Tower height • Turmhohe • Hauteur mat • Altura torre • Altezza torre

Tower: HD23 & Basement: T2

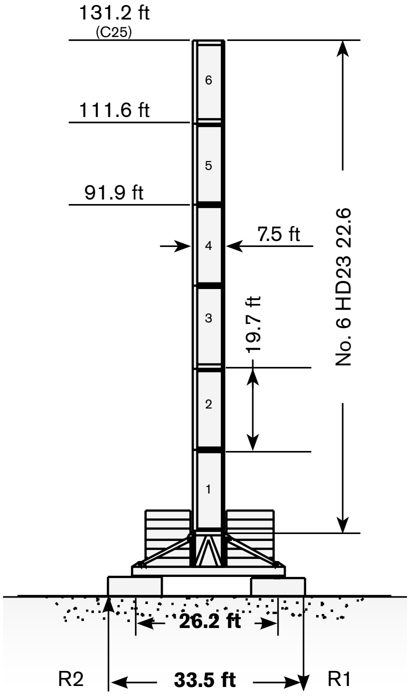
	●	▲▼
R1	-2000 kN	-2300 kN
R2	0 kN	218 kN
	1766 kN	



→	max. H (ft)	
	FEM 1004 C25	FEM 1001
98.4 ft	170.6	190.3
131.2 ft	150.9	170.6
164.1 ft	150.9	170.6
196.9 ft	150.9	150.9

Tower: HD23 & Basement: FP3

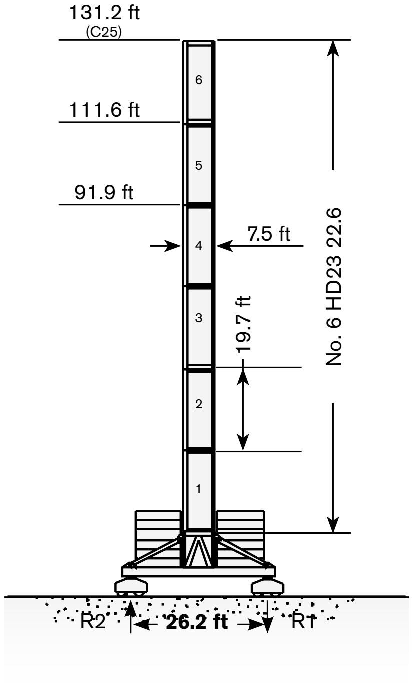
	●	▲▼
R1	-1800 kN	-2741 kN
R2	0 kN	1114 kN
	1373 kN	



→	max. H (ft)	
	FEM 1004 C25	FEM 1001
98.4 ft	131.2	131.2
131.2 ft	131.2	131.2
164.1 ft	111.6	111.6
196.9 ft	111.6	111.6

Tower: HD23 & Basement: T3

	●	▲▼
R1	-1800 kN	-2741 kN
R2	0 kN	1114 kN
	1373 kN	



→	max. H (ft)	
	FEM 1004 C25	FEM 1001
98.4 ft	131.2	131.2
131.2 ft	131.2	131.2
164.1 ft	111.6	111.6
196.9 ft	111.6	111.6

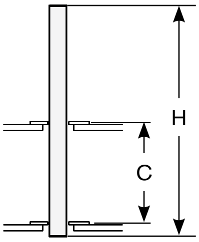
Different heights and tower combinations are available; please consult us • Andere Höhen und Turmkombinationen auf Anfrage • Différentes hauteurs et combinaisons de tour sont disponibles; nous consulter • Hay diferentes alturas y combinaciones de torre disponibles. Consúltenos • Altezze diverse e combinazioni di torre sono disponibili; consultateci

TOWER

Turm · Tour · Torre · Torre

Other configurations · Aufstellmöglichkeiten · Autres Implantations · Otras Implantaciones · Altre Installazioni

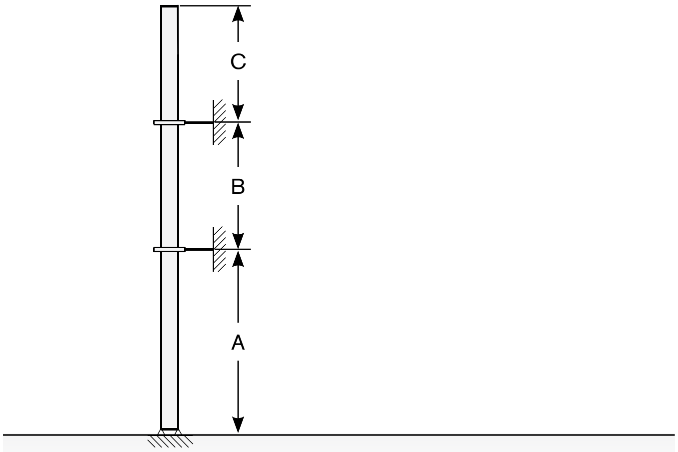
Bottom climbing crane · Kletterkran im Gebäude · Télescopage sur dalles · Telescopage grúa trepadora · Gru climbing



Tower: HD23-26 CL

	C	H
98.4 ft	45.9 ft	177.2 ft
	52.5 ft	177.2 ft
	59.1 ft	177.2 ft
	65.6 ft	177.2 ft
131.2 ft	45.9 ft	157.5 ft
	52.5 ft	157.5 ft
	59.1 ft	157.5 ft
	65.6 ft	157.5 ft
164.1 ft	45.9 ft	157.5 ft
	52.5 ft	157.5 ft
	59.1 ft	157.5 ft
	65.6 ft	157.5 ft
196.9 ft	45.9 ft	157.5 ft
	52.5 ft	157.5 ft
	59.1 ft	157.5 ft
	68.9 ft	157.5 ft

Crane tied to the structure · Geankerter Kran · Grue ancrée · Grúa anclada · Gru ancorata



Tower: HD23 R1

	A min/max	B min/max	C max
98.4 ft	98.4 ft/98.4 ft	78.7 ft/98.4 ft	98.4 ft
131.2 ft	98.4 ft/98.4 ft	78.7 ft/98.4 ft	98.4 ft
164.1 ft	98.4 ft/98.4 ft	78.7 ft/98.4 ft	78.7 ft
196.9 ft	98.4 ft/98.4 ft	78.7 ft/98.4 ft	78.7 ft

Tower: HD23 R2

	A min/max	B min/max	C max
98.4 ft	98.4 ft/196.9 ft	78.7 ft/118.1 ft	98.4 ft
131.2 ft	98.4 ft/196.9 ft	78.7 ft/118.1 ft	98.4 ft
164.1 ft	98.4 ft/177.2 ft	78.7 ft/98.4 ft	78.7 ft
196.9 ft	98.4 ft/177.2 ft	78.7 ft/98.4 ft	78.7 ft

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MECHANISMS

Antriebe · Mécanismes · Mecanismos · Meccanismi

Power supply · Stromversorgung · Alimentation · Suministro eléctrico · Alimentazione

	SRWB 102 160/5	301 kVA*	400V - 50Hz	2000/14/CE modificata
	SRWB 122 160/5	325 kVA*	460V - 60Hz	2000/14/CE modificata
	110 AWL 160	297 kVA*	400V - 50Hz / 460V - 60Hz	2000/14/CE modificata

* Crane without travelling equipment · Krane ohne Schienenfahren · Grue sans translation · Grúa sin traslación · Gru senza traslazione

Hoisting · Heben · Levage · Elevación · Sollevamento

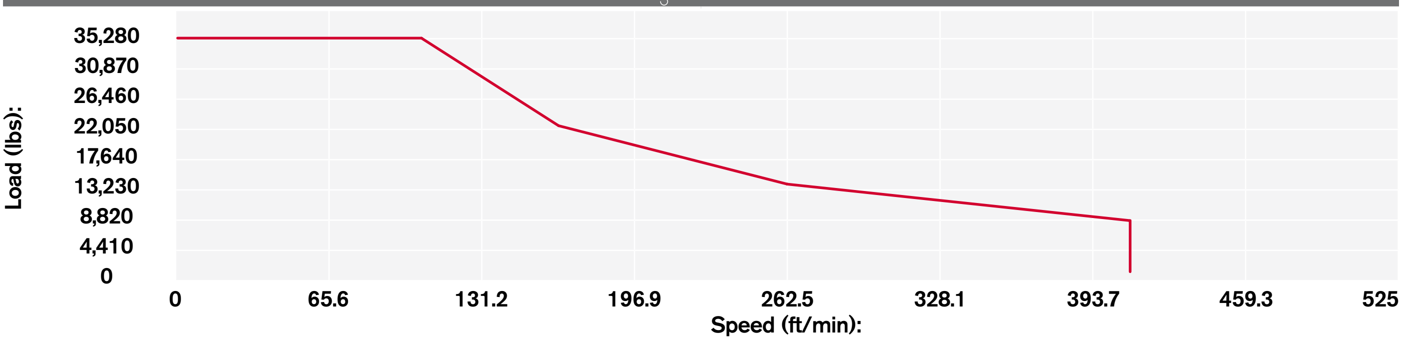
			lbs	ft/min	kW	
	SRWB 102 160/5 50 Hz		35,274	0 ➔ 105	102	1,968.6 ft
			22,046	0 ➔ 164.1		
			13,228	0 ➔ 262.5		
			7,716	0 ➔ 410.1		
			70,548	0 ➔ 52.5		
			44,092	0 ➔ 82		
			26,455	0 ➔ 131.2		
			15,432	0 ➔ 206.7		
	SRWB 122 160/5 60 Hz		35,274	0 ➔ 124.7	112	1,968.6 ft
			22,046	0 ➔ 196.9		
			13,228	0 ➔ 315		
			7,716	0 ➔ 492.2		
			70,548	0 ➔ 62.3		
			44,092	0 ➔ 98.4		
			26,455	0 ➔ 157.5		
			15,432	0 ➔ 249.4		
	110 AWL 160 LLC D1		35,274	0 ➔ 85.3	110	1,115.5 ft
			24,912	0 ➔ 118.1		
			17,857	0 ➔ 164.1		
			12,346	0 ➔ 226.4		
			1,764	0 ➔ 262.5		
			70,548	0 ➔ 42.7		
			49,824	0 ➔ 59.1		
			35,715	0 ➔ 82		
			24,692	0 ➔ 114.8		
			3,527	0 ➔ 131.2		

MECHANISMS

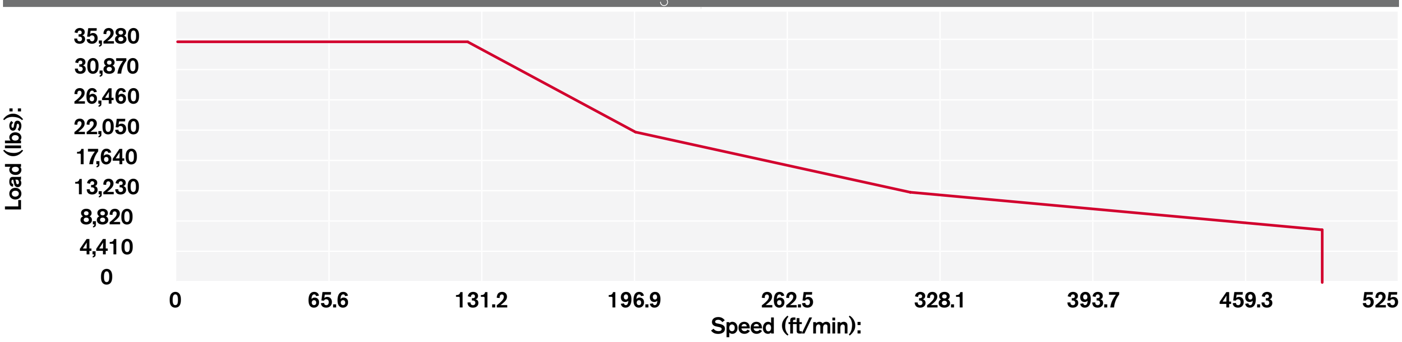
Antriebe · Mécanismes · Mecanismos · Meccanismi

Hoisting Speed · Heben Geschwindigkeit · Vitesse de Levage · Velocidad de Elevación · Velocità' di Sollevamento

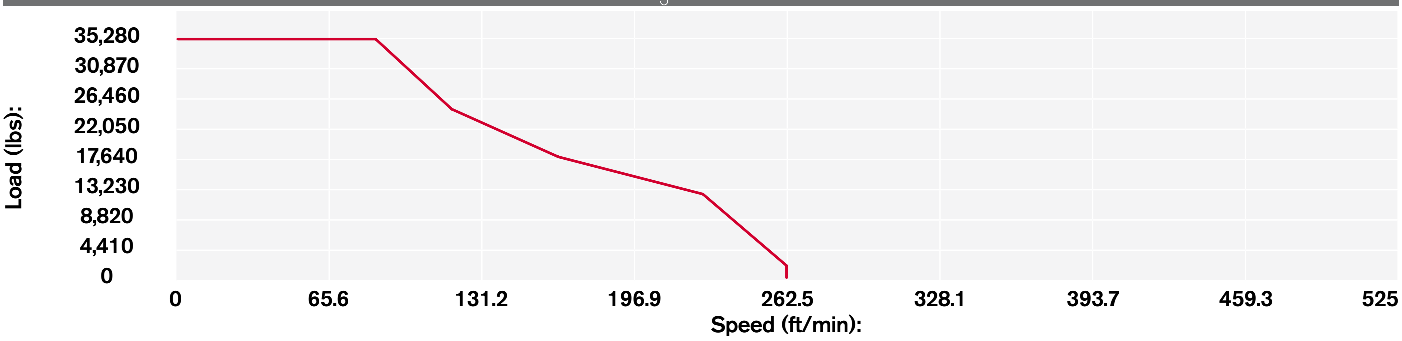
SRWB 102 160/5



SRWB 122 160/5



110 AWL 160



Additional Specifications · Weitere Leistungsdaten · Spécifications additionnelles · Otras prestaciones · Altre movimentazioni

	LWL 11000	2.8 min	110 kW
	SCC 2 2 132 L	0 → 0.64 r.p.m.	2 x 10.3 ft·lb
	TVF 2RT 4M11	0 → 78.7 ft/min	4 x 11 kW
	TSR 4RG 4M8	39.4 → 78.7 ft/min	4 x 59 ft·lb
	i		

Tower height max.

		T3	T2
	TVF 2RT 4M11	92.2 ft	131.6 ft
	TSR 4RG 4M8	131.6 ft	230 ft

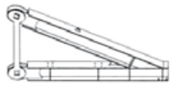
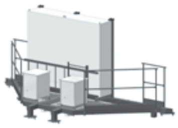
TEREX®

TRANSPORTATION

CTL 630-32 HD23

Transport · Transport · Conducción · Trasporto

Packing list

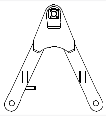
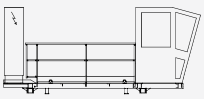
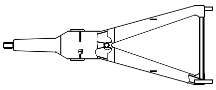
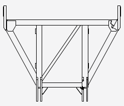
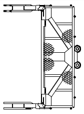
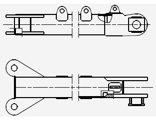
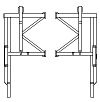
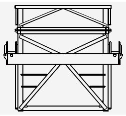
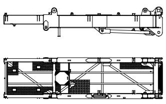
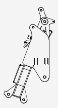
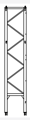
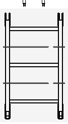
CTL 630-32 HD23	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	8×8 m UNDERCARRIAGE STRUT MOUNTING TOWER SECTION	9.5 ft	9.5 ft	9.5 ft	1	20,176 lbs
	8×8 m UNDERCARRIAGE STRUT	14.1 ft	1 ft	7.4 ft	4	4,013 lbs
	8×8 m UNDERCARRIAGE INTERNAL BEAM	13.1 ft	0.5 ft	1.1 ft	4	463 lbs
	8×8 m UNDERCARRIAGE EXTERNAL BEAM	19.6 ft	1 ft	1.1 ft	4	1,380 lbs
	10×10 m UNDERCARRIAGE STRUT MOUNTING TOWER SECTION	9.8 ft	9.8 ft	10.2 ft	1	23,042 lbs
	10×10 m LEFT + RIGHT UNDERCARRIAGE STRUT	18.7 ft	8.5 ft	2.3 ft	2 left + 2 right	8,434 lbs
	CROSSBEAM FOR TRAVELLING 10×10 m UNDERCARRIAGE	23 ft	7.2 ft	1.3 ft	2	4,476 lbs
	10×10 m UNDERCARRIAGE ELECTRICAL BOX SUPPORT PLATFORM FOR TVF 4RT 4M9 TRAVELLING DRIVE UNIT	18.7 ft	7.2 ft	7.9 ft	1	2,867 lbs
	10×10 m UNDERCARRIAGE ELECTRICAL BOX SUPPORT PLATFORM FOR TSR 4RG 4M8 TRAVELLING DRIVE UNIT	18.4 ft	6.9 ft	12.1 ft	1	1,422 lbs
	TOWER SECTION HD23 26.6	19.7 ft	8 ft	7.6 ft	1	14,273 lbs*
	TOWER SECTION HD23 22.6	19.7 ft	7.5 ft	7.5 ft	1	10,635 lbs*
	TOWER SECTION HD23 22.3	9.8 ft	7.5 ft	7.5 ft	1	5,623 lbs*

* inclusive of ladders, platforms and assembly equipment
** inclusive of leverage-A lock frame
*** with jib point crossbeam

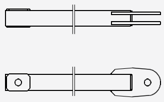
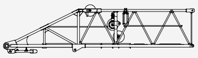
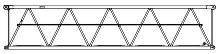
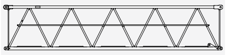
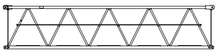
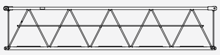
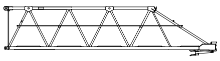
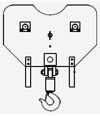
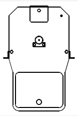
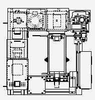
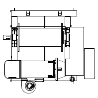
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TRANSPORTATION

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CTL 630-32 HD23	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	SLEWING UNIT	9.8 ft	8.2 ft	7.9 ft	1	35,280 lbs
	UPPER SLEWING RING SUPPORT A-FRAME	8.5 ft	8.3 ft	7.2 ft	1	5,954 lbs
	CAB SUPPORT PLATFORM UNIT	18 ft	4.9 ft	7.9 ft	1	3,528 lbs
	LEVERAGE-A	19 ft	7.1 ft	6.1 ft	1	3,881 lbs
	LEVERAGE-A LOCK FRAME	6.6 ft	5.4 ft	0.7 ft	1	573 lbs
	LEVERAGE-B FORK	10.2 ft	7.5 ft	1.7 ft	1	1,980 lbs
	LEVERAGE-B ROD	2.3 ft	19.7 ft	1.1 ft	1	1,303 lbs
	LEVERAGE-C BASKET SUPPORT RIGHT + LEFT	10.8 ft	5.4 ft	1.1 ft	1 right + 1 left	1,638 lbs
	MOBILE BALLAST BASKET	10.8 ft	5.6 ft	9.8 ft	1	4,895 lbs
	COUNTERJIB FOOT-BOARD (with support strut)	28.6 ft	7.4 ft	5.3 ft	1	19,102 lbs
	COUNTERJIB A-FRAME HEAD	9.8 ft	7.5 ft	3.9 ft	1	6,836 lbs
	COUNTERJIB A-FRAME FRAME	39.4 ft	7.3 ft	2.5 ft	1	10,364 lbs
	COUNTERJIB A-FRAME TIE-BAR	39.4 ft	7 ft	1.3 ft	1	3,572 lbs

TEREX®

CTL 630-32 HD23	DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE	LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA	WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA	HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA	QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ	WEIGHT · GEWICHT · POIDS · PESO · PESO
	COUNTERJIB A-FRAME STRUT	18.4 ft	0.7 ft	0.5 ft	2	364 lbs
	MOBILE SHEAVE BLOCK FOR LUFFING ROPE (with sheaves)	3.3 ft	2.2 ft	2.6 ft	1	617 lbs
	JIB SECTION-01/A	35.1 ft	7 ft	8.5 ft	1	11,025 lbs 11,598 lbs**
	JIB SECTION-02	34.8 ft	6.9 ft	6.8 ft	1	4,741 lbs
	JIB SECTION-03/A	34.8 ft	6.9 ft	6.8 ft	1	4,871 lbs
	JIB SECTION-04/A	34.8 ft	6.9 ft	6.8 ft	1	4,163 lbs
	JIB SECTION-05	34.8 ft	6.9 ft	6.8 ft	1	3,418 lbs
	JIB SECTION-06/A	34.9 ft	7.3 ft	7.9 ft	1	6,174 lbs***
	2-PART LINE HOIST BLOCK	5.6 ft	4.9 ft	1.7 ft	1	1,433 lbs
	4-PART LINE HOIST BLOCK	3.8 ft	2.6 ft	1 ft	1	1,202 lbs
	HOIST WINCH 110 AWL 160 LLC (without rope)	7.9 ft	7.5 ft	6.2 ft	1	13,120 lbs
	HOIST WINCH SRWB 102/122 160/5 (without rope)	9.2 ft	7.2 ft	3.9 ft	1	10,694 lbs

* inclusive of ladders, platforms and assembly equipment
** inclusive of leverage-A lock frame
*** with jib point crossbeam

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Brochure Reference: TC-DS-IMP-E/F/G/I/S-CTL630-32 HD23-06/10

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